

## ABSTRACT

Sub 24

5 The security reversible key with an assigned cylinder Z has a blocking groove BN with a coded blocking depth (B1, B2, B3), which runs parallel to the axis of the key (x) from the tip of the key to at least the first position (P1) of a row of tumbler pins (A2) on the key. In the assigned cylinder at least at the rearmost coding position (P1) a pair of tumbler pins corresponding to the blocking groove BN with a blocking tumbler pin BZ and an extended blocking counter pin BG are foreseen, whereby the blocking counter pin BG impinges on the cylinder housing (10), if the blocking groove is insufficiently deep and with this the complete insertion of a key with an

10 insufficiently deep blocking groove is blocked by the pair of blocking tumbler pins. Simultaneously the blocking tumbler pin BZ with the counter pin BG at the position (P1) also serves as coding tumbler pin. In the case of the locking system with security reversible keys for locking installations at least two areas are defined, whereby in a first area G1 several additional security elements and a blocking code

15 function and in the second area G2 a more simple basic coding are foreseen. With the first area G1, an unequivocal segmentation into independent market areas (M1, M2, M3) is defined and with this a world-wide unique locking system with enhanced security and applicability is created.

(Figure 2)